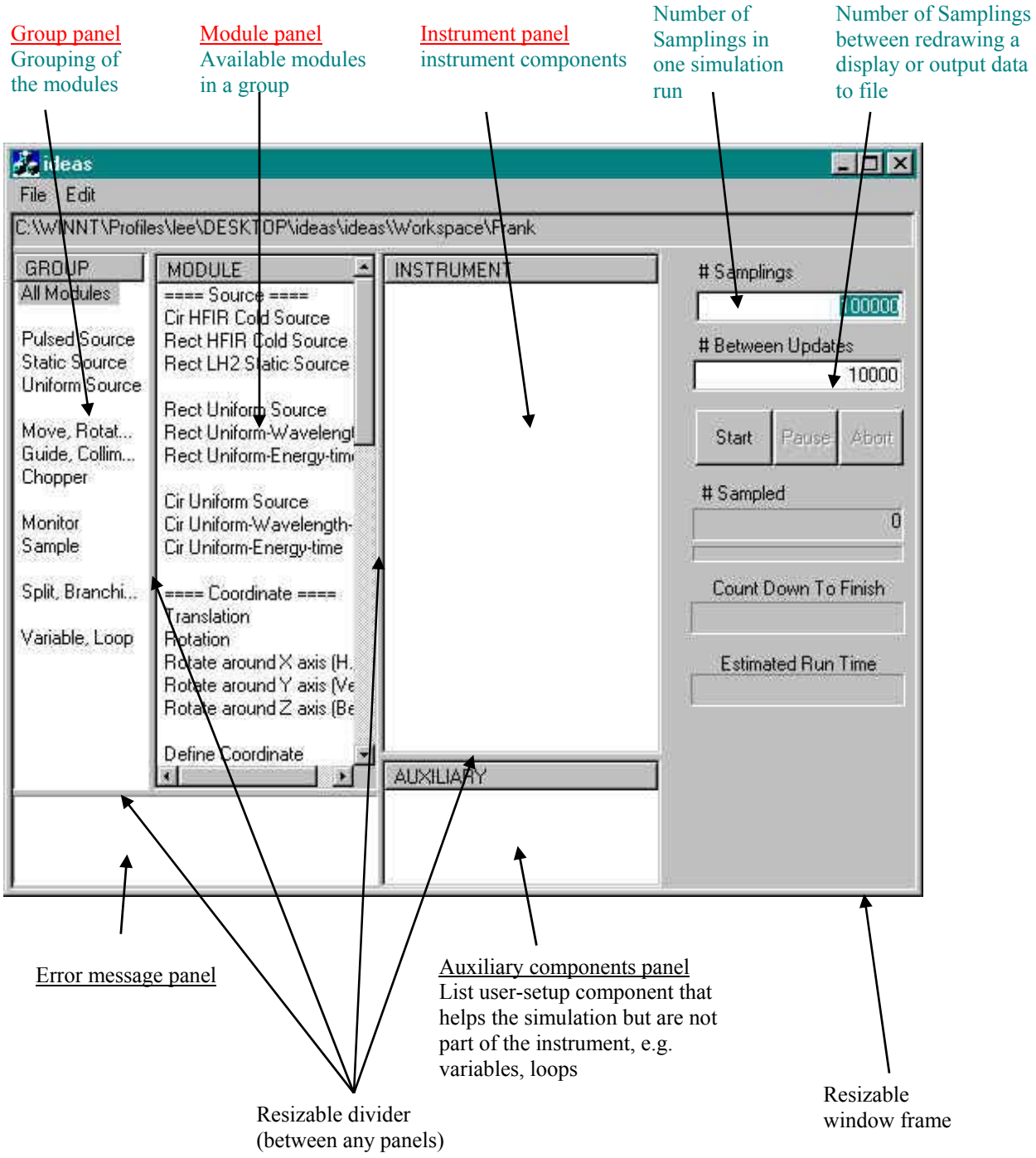
Content Page

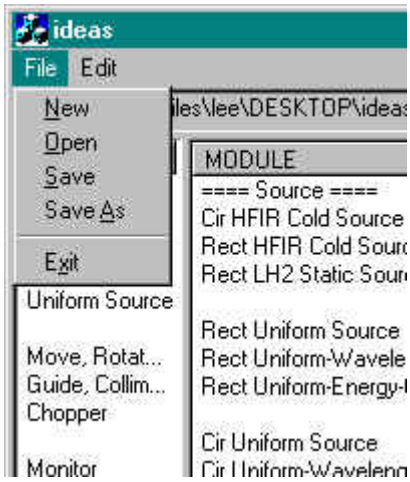
1. Starting the program

The program “ideas.exe” is placed under the folder “ideas”. Start the program, here’s what you will see:

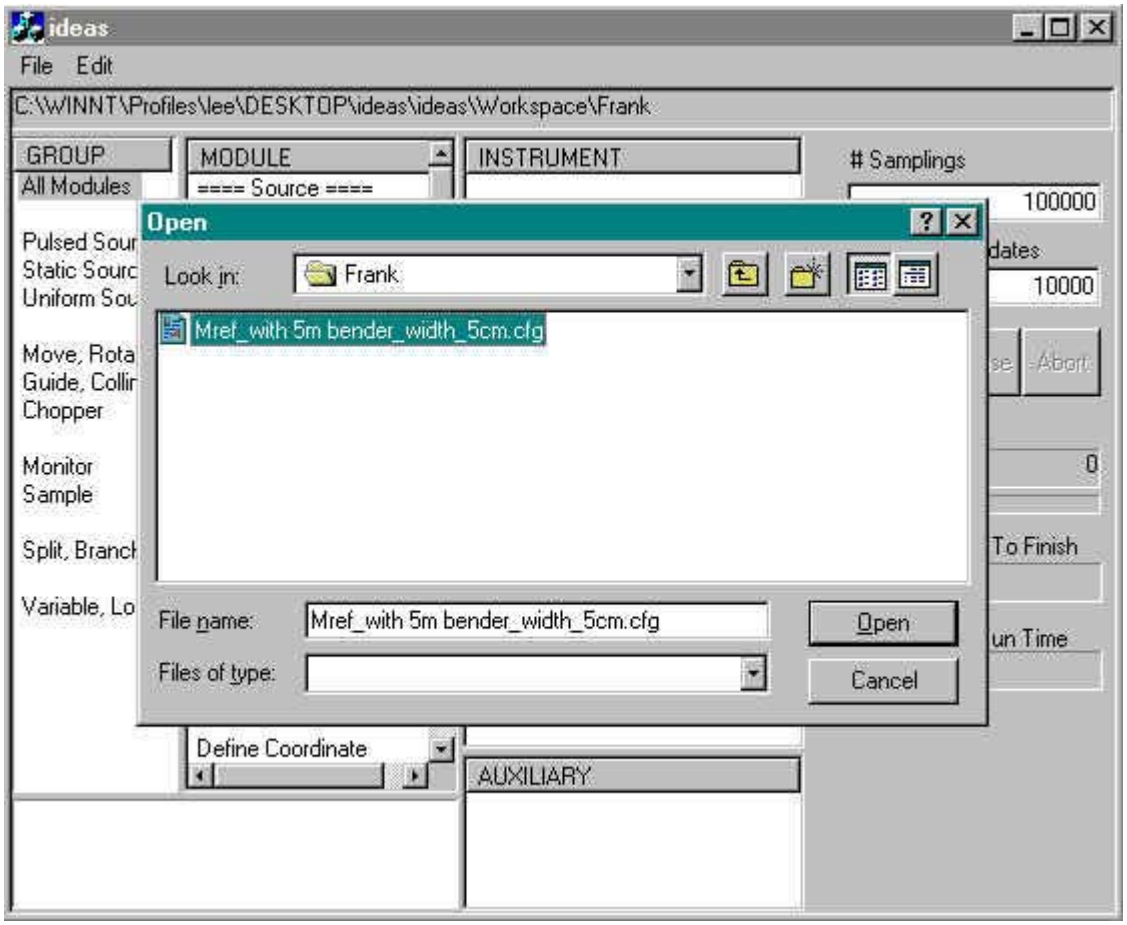


2. To open Frank's instrument setup

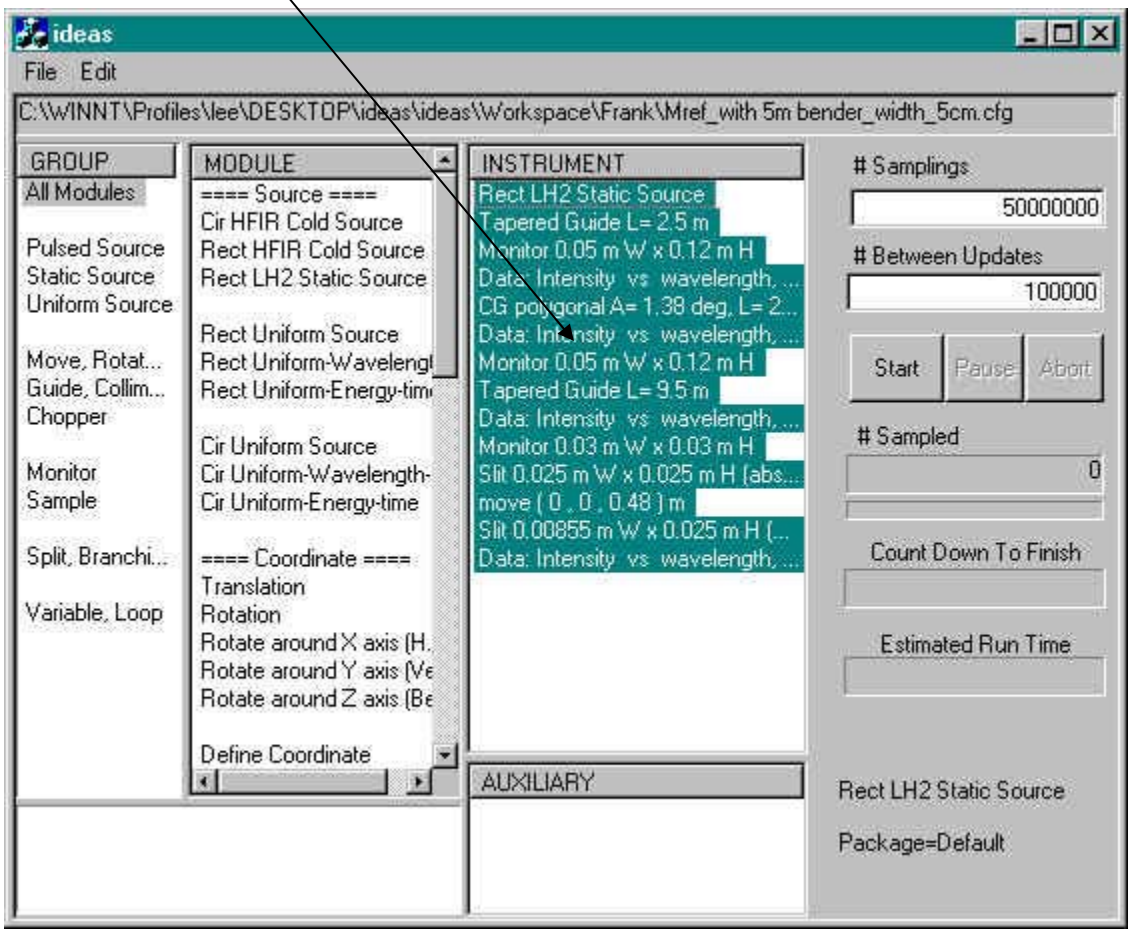
Note: The program works just like any other windows programs.
Click on the menu(upper left): File-> Open



The setup file is placed under subdirectory "Workspace\Frank". I have put only one file there: "Mref_with 5m bender_width_5cm.cfg". Choose it to open.

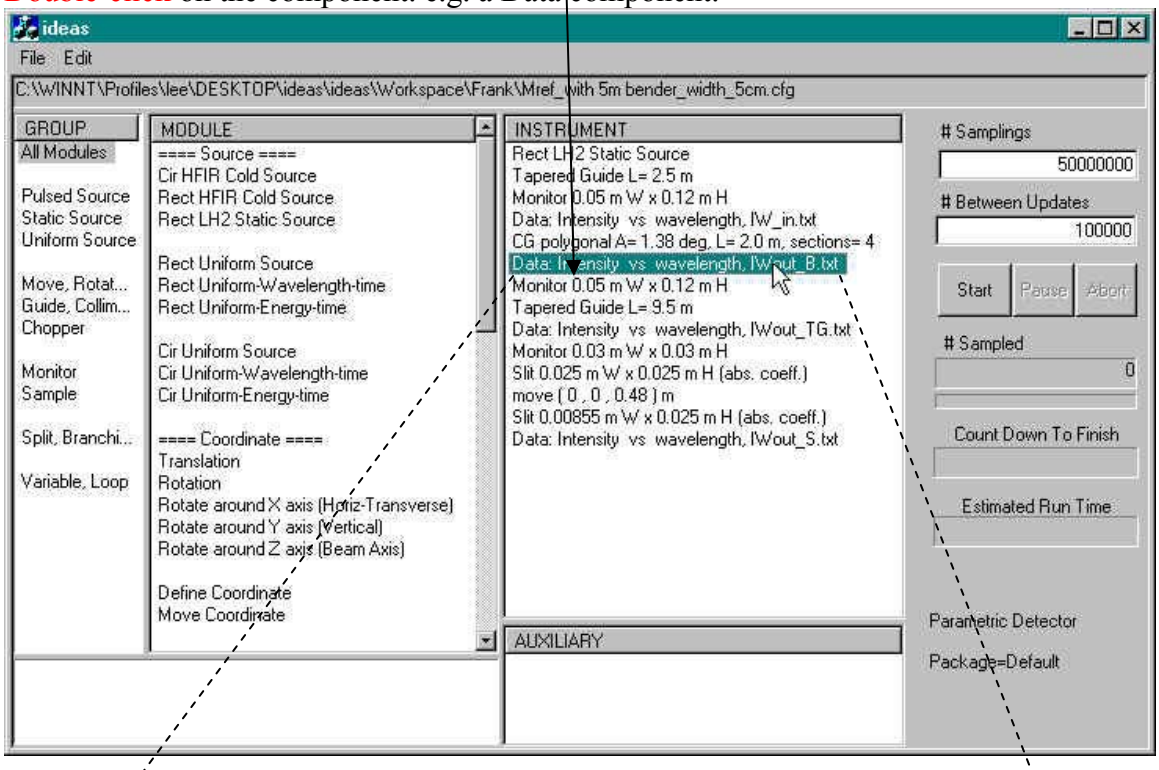


Frank's instrument will be loaded into the program and the components are listed in the Instrument panel.

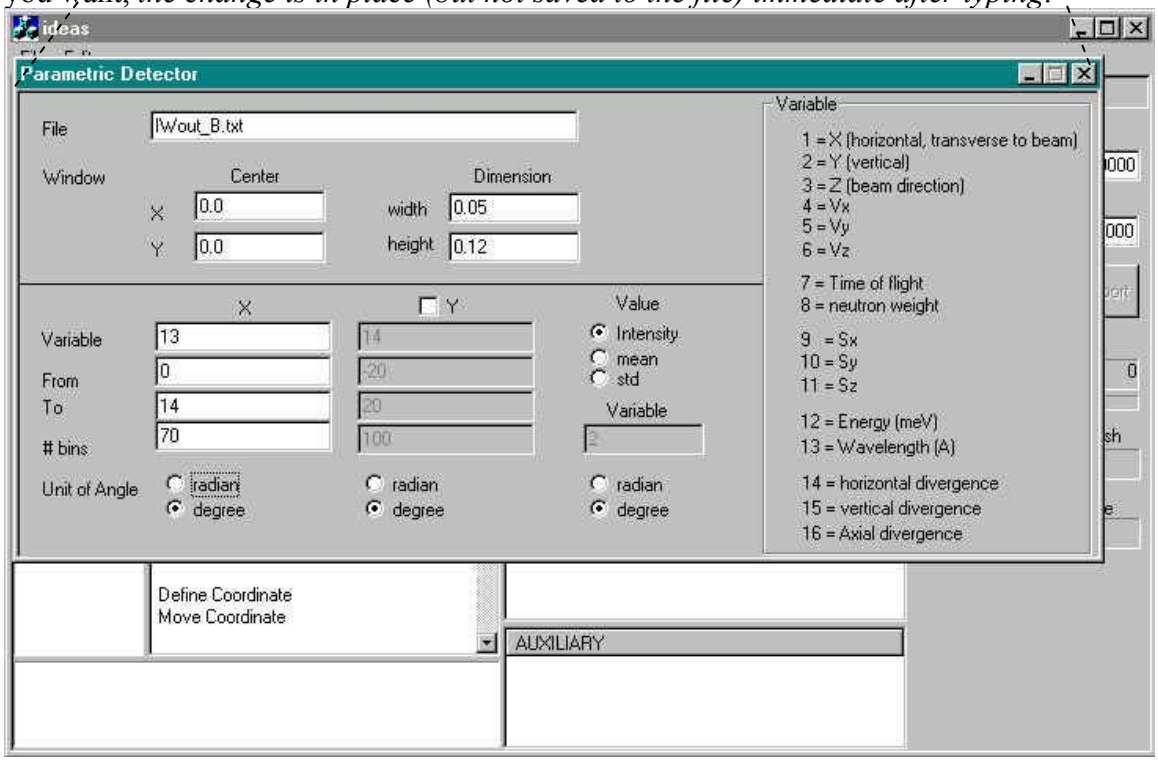


3. To see or change the parameters of an instrument component

Double-click on the component. e.g. a Data component.

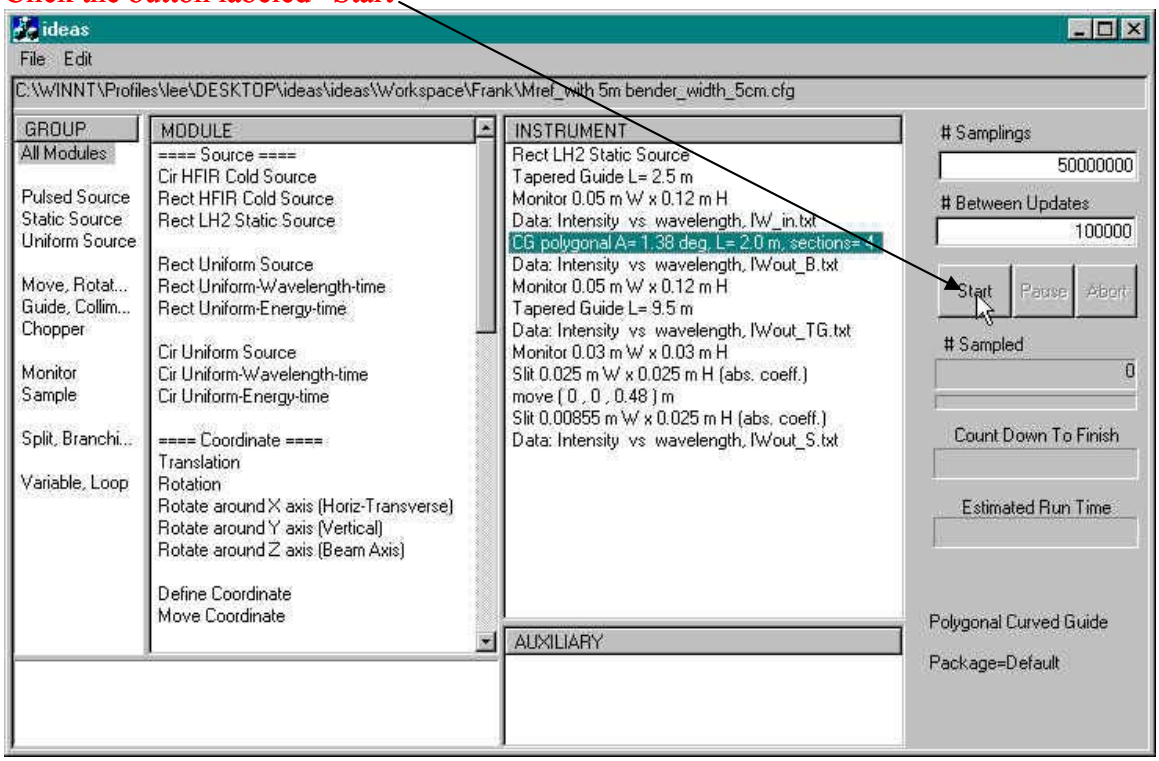


A separate window will pop up showing the parameters. You can type in any parameters you want, *the change is in place (but not saved to the file) immediate after typing*.

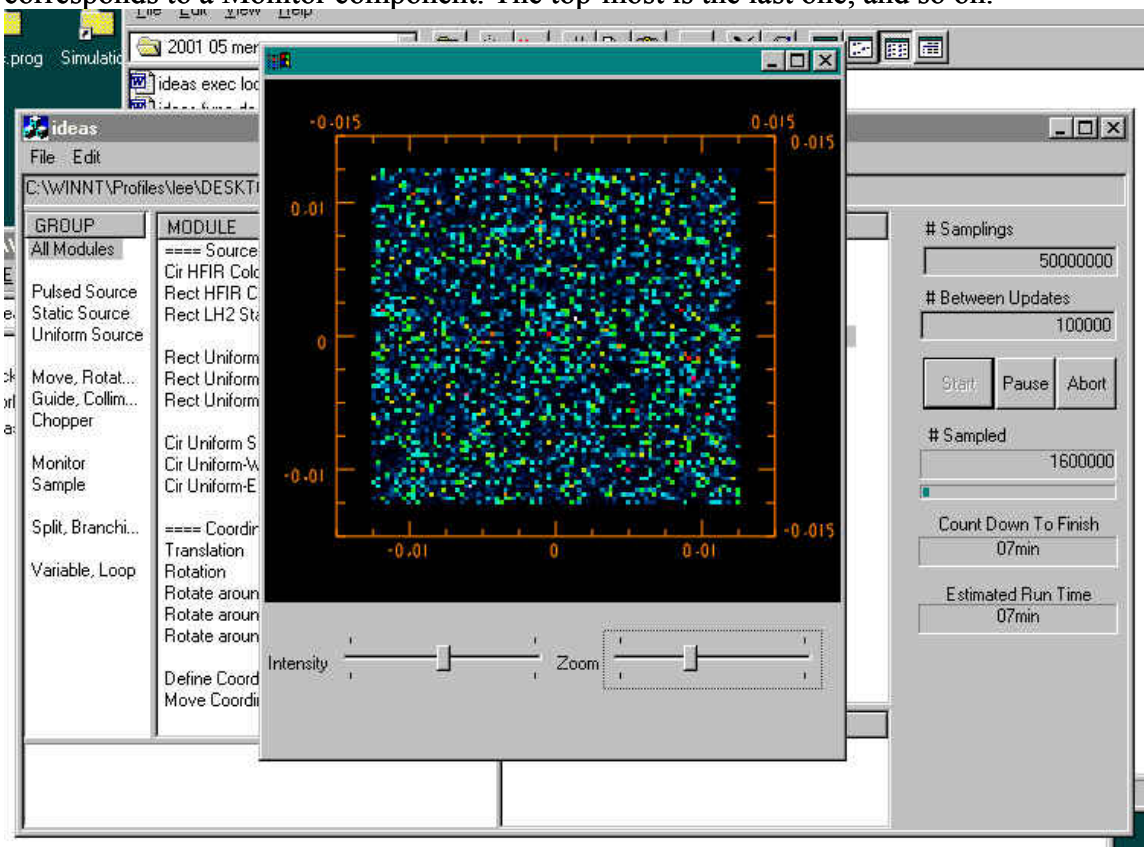


4. To run the simulation

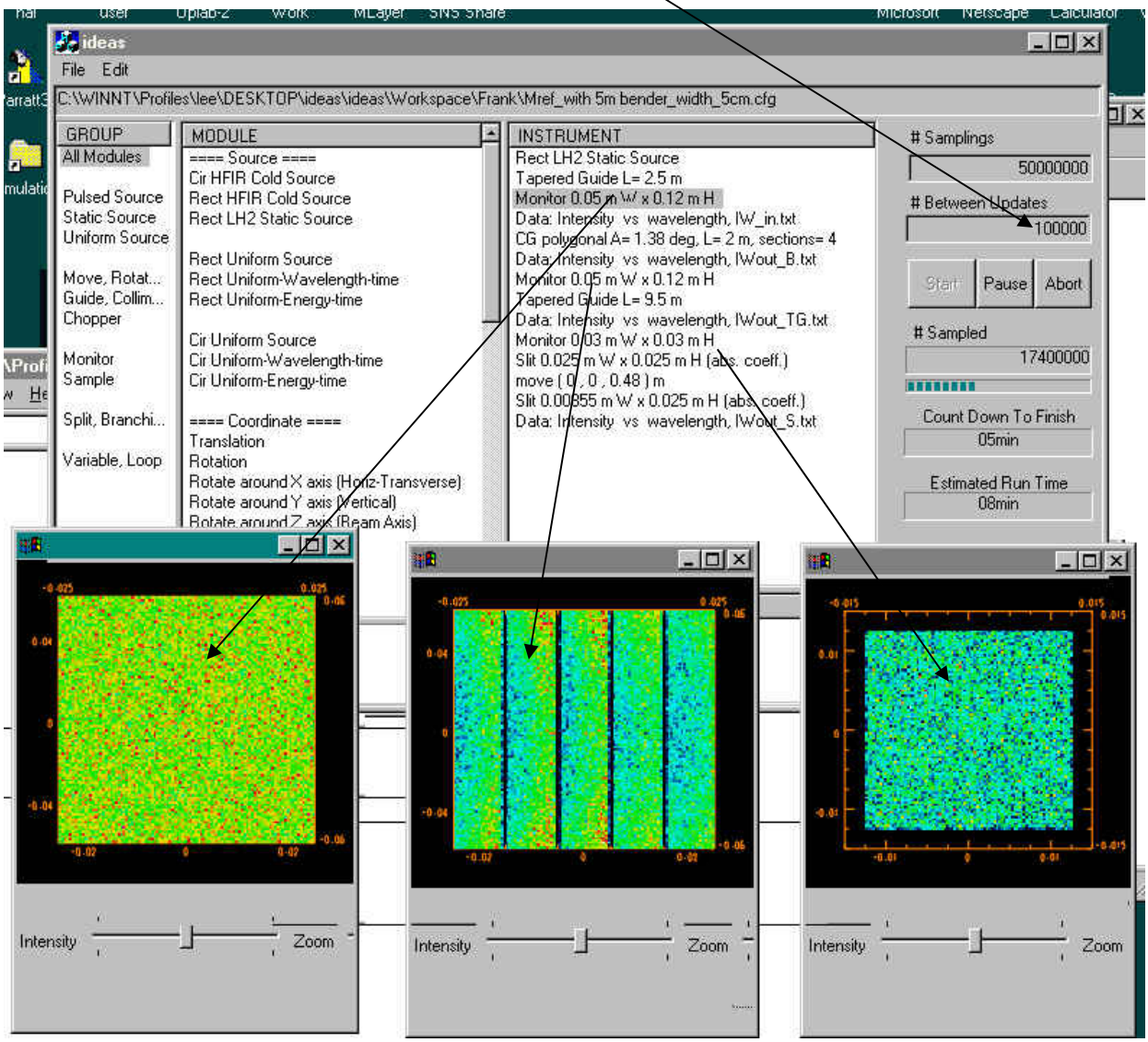
Click the button labeled "Start"



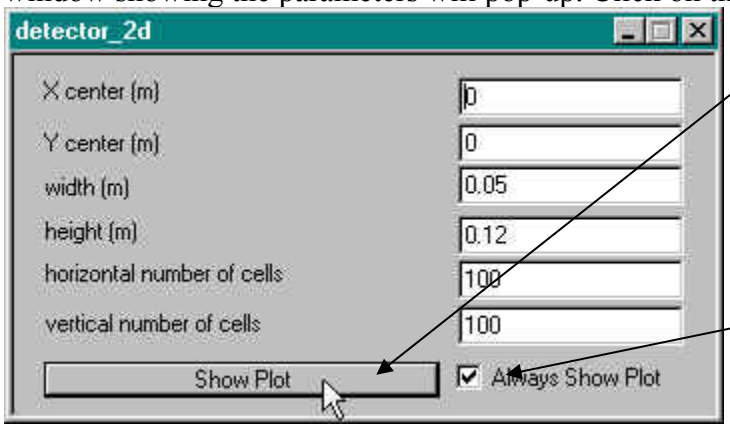
For this simulation, 3 windows will pop up on top of one another. Each display corresponds to a Monitor component. The top-most is the last one, and so on.



You can move the displays around & resize them to see them better. To make the simulation runs faster, close the monitor display windows – it will save the time redrawing the displays (redraw once every 100000 samplings in this case)



To reopen a monitor display after closing it, double-click on the Monitor component. The window showing the parameters will pop-up. Click on the button labeled “Show Plot”.



Indicates always showing the display **when starting a simulation**

5. To temporary suspend a simulation, and to continue

Click the button labeled “Pause”. This will put the simulation into suspended animation mode. Other programs will run faster when the simulation is suspended.
To continue a paused simulation, click the “Start” button again.

6. Aborting a simulation

Click the button labeled “Abort”. Before stopping the simulation, the Data module will write its most recent results to the output files one last time.

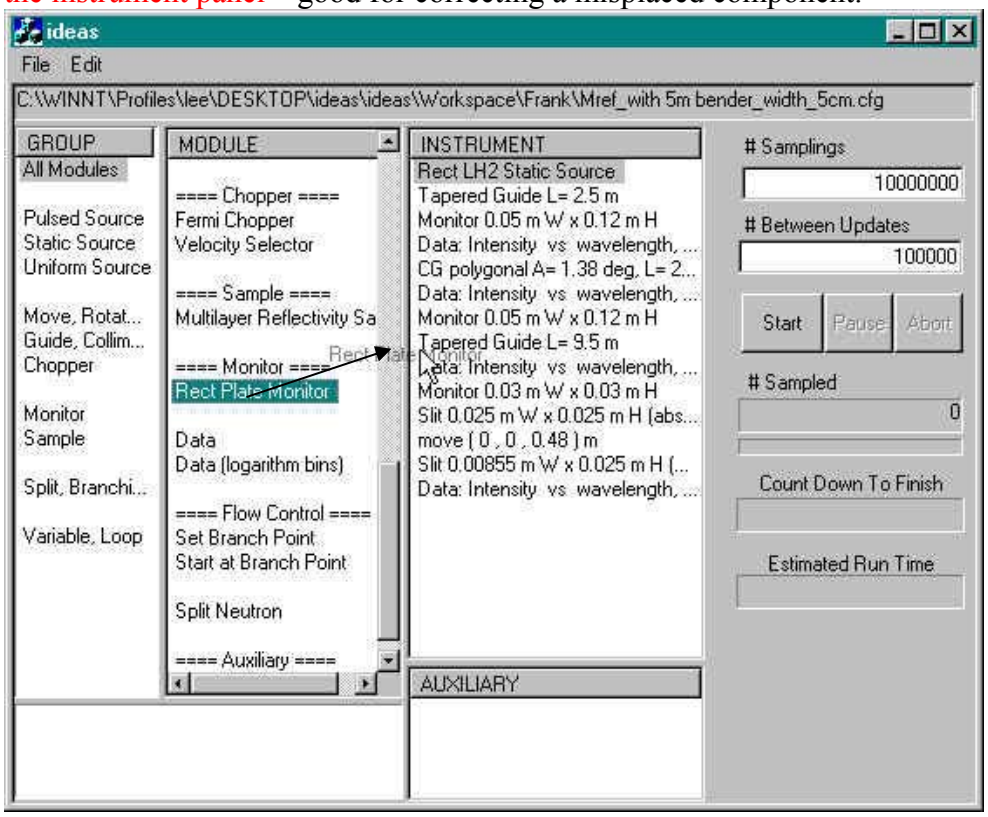
7. Exit the program

Either close the window or click on the menu File->Exit. A warning panel may pop-up if you have made changes to the setup and/or if a simulation is running.

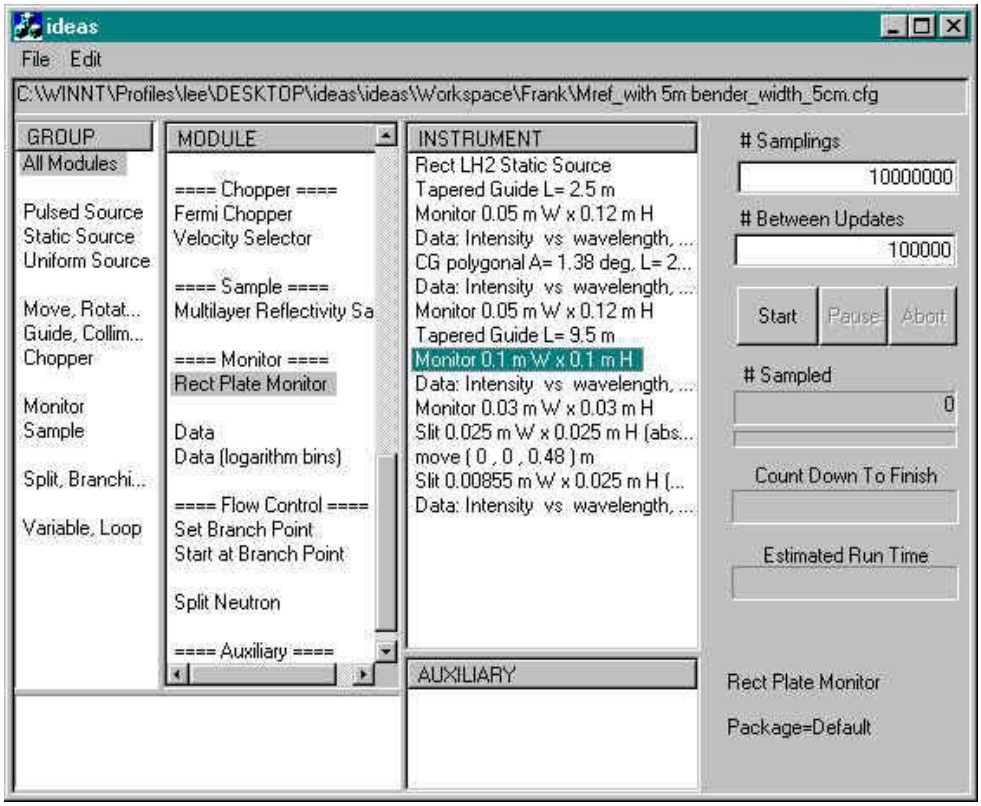
Output file name

9. To add new components to an instrument

Either double-click the module in the Module panel, or drag it from the Module panel to where you want it in the Instrument panel. You can also move components around within the instrument panel – good for correcting a misplaced component.



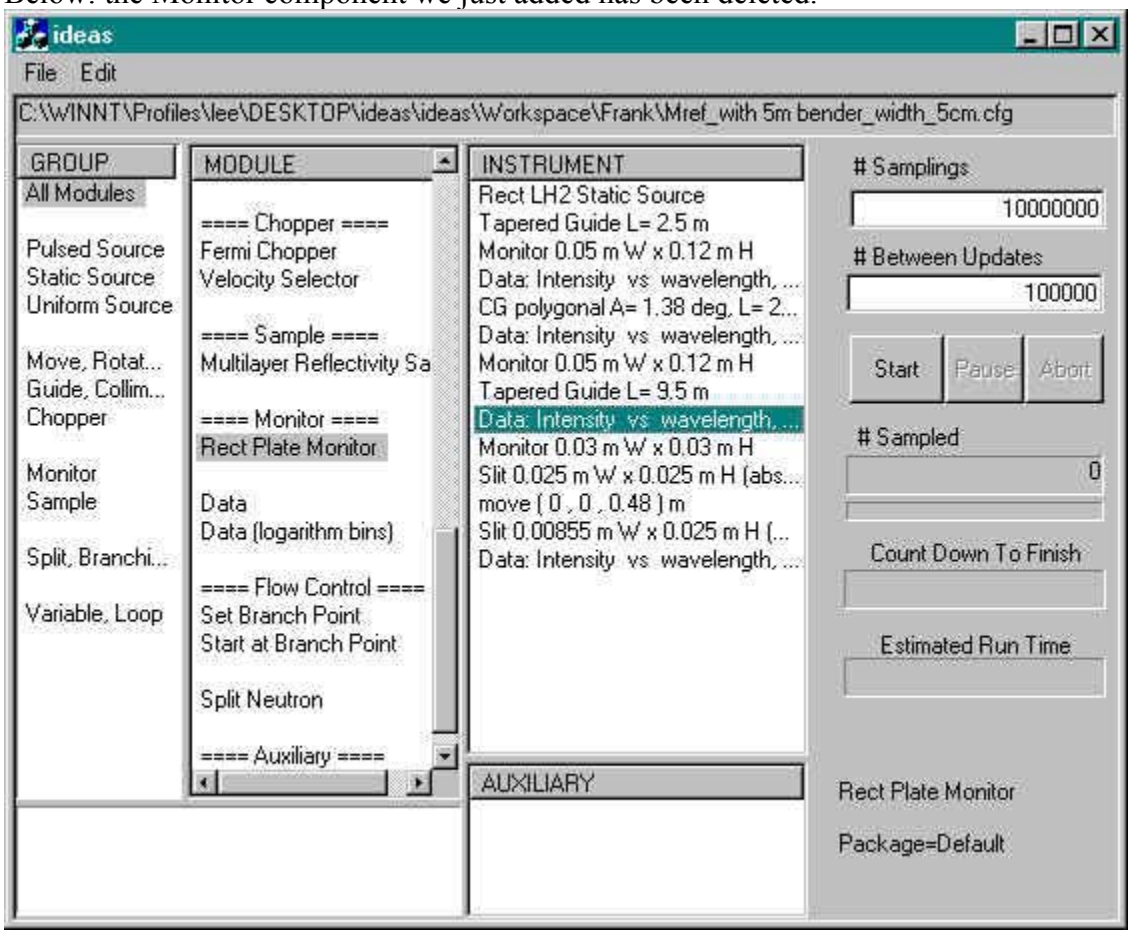
The result:



10. To delete a component from an instrument

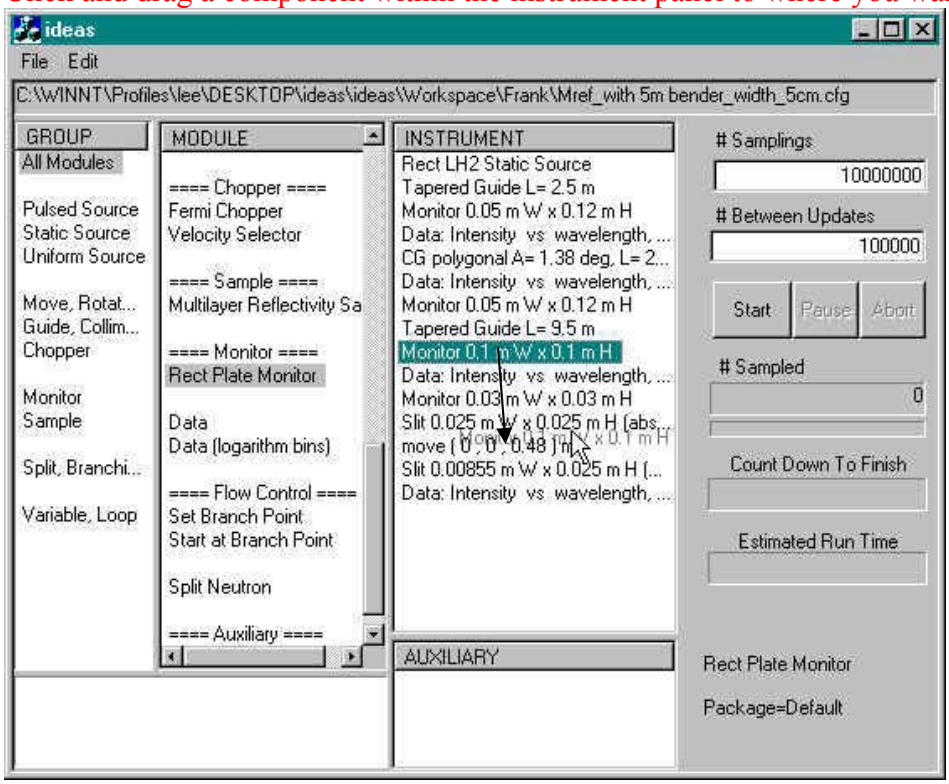
Highlight the component and press the "Delete" key.

Below: the Monitor component we just added has been deleted.

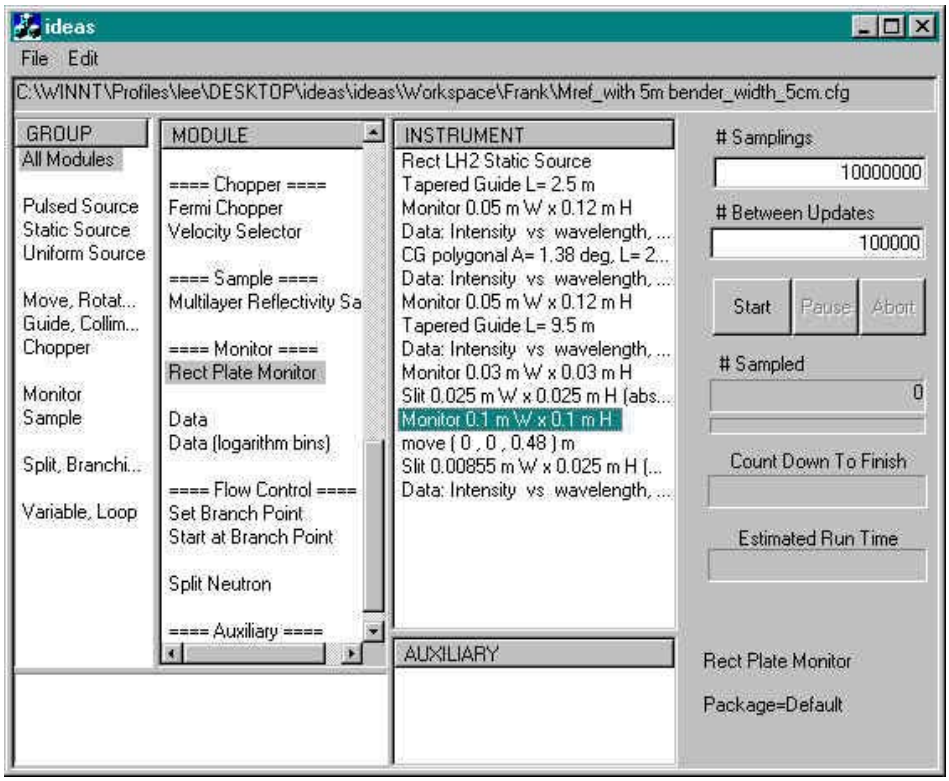


11. To rearrange the ordering of the instrument components

Click and drag a component within the instrument panel to where you want it.



Result:



12. Save setup file

Click on the menu File->Save or File->Save As

13. New setup file

Click on the menu File->New

Contact

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